

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/081792 A1 (NAKANO TOSHIHISA ET AL) 1 May 2003 (2003-05-01) paragraph '0006!; figure 37 paragraph '0007! paragraph '0009! figure 3 paragraph '0128! paragraph '0245! paragraph '0246!	1-16
Y	-----	1,13
X	INTEL CORPORATION ET AL: "Content Protection for Recordable Media Specification: DVD Book, Revision 0.94" PUBLICATION, 18 October 2000 (2000-10-18), XP002167964 pages 2-1 ----- -/-	1,611



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

23 June 2005

Date of mailing of the international search report

01/07/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	STEVENSON F A: "Cryptanalysis of Contents Scrambling System" PUBLICATION, 8 November 1999 (1999-11-08), XP002295619	1
A	page 1	1-16
X	US 2001/021255 A1 (ISHIBASHI YASUHIRO) 13 September 2001 (2001-09-13) figure 2a figure 2b paragraph '0040! - paragraph '0041! paragraph '0028! - paragraph '0031!	1-6, 11, 12, 14-16
P, X	US 2004/030902 A1 (ASANO TOMOYUKI ET AL) 12 February 2004 (2004-02-12) paragraph '0113! & WO 03/017273 A (SONY CORPORATION; ASANO, TOMOYUKI; NAKAMURA, MASANOBU) 27 February 2003 (2003-02-27)	1, 11
Y	LIU JIANWEI ET AL: "A user authentication protocol for digital mobile communication network" PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 1995. PIMRC'95. WIRELESS: MERGING ONTO THE INFORMATION SUPERHIGHWAY., SIXTH IEEE INTERNATIONAL SYMPOSIUM ON TORONTO, ONT., CANADA 27-29 SEPT. 1995, NEW YORK, NY, USA, IEEE, US, vol. 2, 27 September 1995 (1995-09-27), pages 608-612, XP010150958 ISBN: 0-7803-3002-1 the whole document	13

## INTERNATIONAL SEARCH REPORT

Information on patent family members

 International Application No  
 PCT/JP2004/019479

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003081792 A1	01-05-2003	BR 0213959 A EP 1464139 A2 WO 03036858 A2 JP 2003204320 A	19-10-2004 06-10-2004 01-05-2003 18-07-2003
US 2001021255 A1	13-09-2001	JP 2001256113 A	21-09-2001
US 2004030902 A1	12-02-2004	JP 2003059176 A CN 1473332 A EP 1416486 A1 WO 03017273 A1	28-02-2003 04-02-2004 06-05-2004 27-02-2003
WO 03017273 A	27-02-2003	JP 2003059176 A CN 1473332 A EP 1416486 A1 WO 03017273 A1 US 2004030902 A1	28-02-2003 04-02-2004 06-05-2004 27-02-2003 12-02-2004